

**Melvin Price Locks and Dam UMR Mile 201**  
**Auxiliary Miter Gate Failure**  
**Bi-Weekly Status Report**  
**23 February 2005**

**THIS REPORT WILL BE ISSUED BI-WEEKLY IN THE FUTURE**

**General Description:** On 3 Oct 2004 the downstream miter gates on the auxiliary lock at Melvin Price Locks & Dam traveled past the mitered position, causing severe damage to the gates.

**Tows Waiting:** Traffic is being passed through the main chamber and no abnormal backlogs are occurring.

**Communication Plan:** The district has set up a web page for this incident that can be accessed through ([www.mvs.usace.army.mil](http://www.mvs.usace.army.mil)).

**Risk Assessment & Mitigation Plan:** A minor repair by lock staff to the Missouri filling valve in the main chamber will not effect lock operation.

**Helper Boat on Site:** A government-furnished helper boat is on station. All approaching commercial tows are required to use the assistance of this boat at the direction of the Lockmaster to minimize the potential for damage to the main chamber.

**Actions Performed This Week at the Service Base by the Combined Team Crews:**

- \* Begin on-site coordination and support for heat straightening contractor: Flame-On Inc. of Snowhomish, WA.
- \* Completed installation of the first 50-ft long environmental enclosure; began work on second one. Will partially cover each gate leaf until last two enclosures are received and erected.
- \* Continue repairs to bottom seals on IL gate leaf.
- \* Continue layout and fabrication of the new bottom diagonal pin support boxes.
- \* 75% of environmental enclosure rail completed; remainder to be added after last installation.
- \* 70% of safety handrails installed.
- \* Continue machining and fabrication of 2 new strut arms for the lower gates.

**Actions Scheduled Next Week at the Service Base:**

- \* Receive two 40-foot environmental enclosures and begin erection.
- \* Continue coordination with and provide required on-site support for heat straightening contractor. Evaluate efforts toward reaching specified straightness.
- \* Continue final fabrication for the removable seals on the both leafs.
- \* Continue layout and fabrication of the new bottom diagonal pin support boxes.
- \* Continue installing safety handrails around the repair barge.
- \* Begin removal of quoin miter blocks and old epoxy backing on both gates.



Combined Team pulls cover over environmental enclosure frame and Missouri gate leaf  
22 Feb 2005

*Corps of Engineers' Repair Barge & Crane Barge FISHER*



Heat Straightening Contractor crewman removes paint from Missouri Gate in preparation for heat application- 23 Feb 2005  
*on District Service Base Repair Barge*